

## ABSTRACT OF THE DISCLOSURE

In a data transmission/reception apparatus 11, a data transfer is performed by a pipeline technique between N processing sections Pd\_1 to Pd\_N. The data transmission/reception apparatus 11 includes (N-1) or more intermediary sections 21, each having a transmission/reception control section 23 for controlling data transmission/reception and a buffer 27. The intermediary sections 21 interconnect adjoining first and second data processing sections Pd\_1 and Pd\_2 to allow data obtained through the data process performed by the first data processing section Pd\_1 to be transmitted to the second data processing section. A transmission API 35a in the first data processing section Pd\_1 transmits data to the second data processing section Pd\_2. A reception API 37b in the second data processing section Pd\_2 receives the data transmitted from the second data processing section Pd\_2.